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	Application No.	Applicant(s)	
Madian of Allowskills.	10/764,946	ESPESETH ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Duc T. Doan	2188	
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8: NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3:	S (OR REMAINS) CLOSED in this app 5) or other appropriate communication RIGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS	
1. This communication is responsive to <u>The Board of Appearage</u>	<u>al decision 11/16/07</u> .		
2. The allowed claim(s) is/are 7-10,12-18 (renumbere by Ex	<u>kamine)r</u> .		
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	ve been received. ve been received in Application No		
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi			
 CORRECTED DRAWINGS (as "replacement sheets") m (a) including changes required by the Notice of Draftspe 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 	erson's Patent Drawing Review (PTO- er's Amendment / Comment or in the C 1.84(c)) should be written on the drawin	office action of any one of the back) of	
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT			
Attachmant(a)			
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	6. ☐ Interview Summary (PTO-413), Paper No./Mail Date	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's Amendn		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stateme 9. □ Other	ent of Reasons for Allowance	
	SUPERVI	SORY PATENT EXAMINER	

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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1 .312.To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for the examiner's amendments to the claims was given in a telephone interview with John L. Rogitz (Reg #33549) on 1/25/2008 and 1/26/2008.

The application has been amended as follows:

Claim 7, line 1, replace "A hard disk drive controller executing logic" with -- A method for a hard disk drive controller, the method comprising--.

Claims 8 and 9, line 1, replace "The controller" with -- The method--.

Claim 10, line 1, replace "A HDD" with -- A Hard Disk Drive (HDD)--.

Status of Claims

Claims 1-15 are in the application,

Claims 1-6, and 11 are canceled. Claims 7-10,12-18 are allowed.

Allowable Subject Matter

Claim 7 is allowed because the prior art of record does not teach or suggest that "A method comprising: in response to a selection of throughput optimization, determining at least one next command-to execute in a queue of commands by determining a pipe length and Application/Control Number:

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dividing the pipe by the sum of a pipe length, at least one time period, and at least one probability;

.... in response to a selection of the optimization based on number of operations per second, determining a next command to execute in a queue of commands by determining a number of commands in a pipe and dividing the product by the sum of a pipe length, at least one time period, and at least one probability, wherein the next command is accessed for execution." as recited in the claim, and in combination with other remaining claimed subject matter set forth in the claimed invention.

Claim 10 is allowed because the prior art of record does not teach or suggest that "A Hard Disk Drive (HDD) comprising: means for determining a throughput benefit associated with executing each command; or means for determining an operational rate benefit associated with executing each command,

...wherein the means for determining a throughput benefit uses a pipe length in a numerator and in a denominator of a quotient in a way that the pipe length in the numerator does not cancel the pipe length in the denominator. "as recited in the claim, and in combination with other remaining claimed subject matter set forth in the claimed invention.

The remaining dependent claims, not specifically mentioned, are allowed for the same rationale as the independent claim(s) being based from.

Conclusion

When responding to the office action, Applicant is advised to provide the examiner with the line numbers and page numbers in the application and/or references cited to assist examiner to locate the appropriate paragraphs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc T. Doan whose telephone number is 571-272-4171. The examiner can normally be reached on M-F 8:00 AM 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung S. Sough can be reached on 571-272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

SUPERVISORY PATENT EYAMINER